retrieved, and is displayed inside the second data with a smaller display area. Also, in a hierarchical data display method and browser system, a display area is divided into an area where icons representing data items belonging to one level are displayed, and an area where child levels are displayed. As hierarchical depth increases, the data icons are made smaller and simpler. The hierarchical structure of a file system or data base can be displayed as a Venn diagram. Data items belonging to child levels are not hidden but displayed as reduced images, whereby intended data can be located effortlessly. A cutout form and image are registered mutually independently. An identifier, position, and size of the cutout form are specified as the attributes of the image. Thus, an image can be fetched into album software by performing a simple operation, or a cutout can be changed in size.--

IN THE CLAIMS:

Please cancel Claims 2, 4, 36-109 and 117-124 without prejudice and without disclaimer of subject matter.

Please amend Claims 1, 3, 5-8, 11, 21-26, 28, 30-35 and 110-116 as follows:

1. (Amended) A linked data display method for displaying data items managed with given linkages thereamong, [characterized in that] comprising the steps of:

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displaying data items included within a
similar level of linkage position simultaneously in a
substantially same size; and

displaying first data items, and second data
items linked to said first data [are displayed] items, which
are not included within the similar level of linkage
position, mutually distinguishably [by determining] in
different sizes [thereof] determined according to a distance
of a linkage between the first and second data.

3.   (Amended) A linked data display method
according to claim 1, wherein said [linked] data items [are]
represent time-series data [item] accumulated time-
sequentially and are displayed [according to temporal
distances] by regarding an interval of time as the distance
of a linkage.

5.   (Amended) A time-series data display method
for displaying accumulated time-series data items [time-
sequentially], comprising the steps of:

[retrieving and] displaying first data items
associated with a desired [date] time; and

[retrieving] displaying second data items
associated with a [date] time contiguous to said desired
[date; and displaying said second data distinguishably from
said first data in] time so that a temporal direction

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[starting with] between said desired [date] time and said
contiguous time is distinguishable.

3.
6. (Amended) A time-series data display method
according to claim 5, wherein said distinguishable display is
such that a display screen for said second data items is
displayed with a smaller size than [the] one for said first
data items.

4.
7. (Amended) A time-series data display method
according to claim 6, wherein said first data [is] items are
displayed at an outermost position in a display screen, and
said second data [is] items are displayed inside said first
data items with a display area thereof made smaller.

5.
8. (Amended) A time-series data display method
according to claim 7, wherein third data items associated
with a [date] time contiguous to the [date] time of said
second data [is] items are retrieved, and said third data
[is] items are displayed inside said second data items with a
display area thereof made smaller.

7.
11. (Amended) A time-series data display method
according to claim 10, wherein when said zoom-in is continued
for a designated period of time, said first data [is] items
are moved out of a display screen, and new data associated

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with a date contiguous to a date of data displayed at an innermost position is retrieved and displayed at said innermost position.

21.   (Amended) A time-series data display method for displaying accumulated time-series data items [time-sequentially], comprising the steps of:

[accumulating] preparing data [items] accumulated in one-to-one correspondence to [dates] times of a schedule table;

displaying said schedule table; and

displaying data items associated with a desired [date] time of said schedule table responsively to designation of said desired [date] time on said schedule table.

22.   (Amended) An information processing system for displaying accumulated time-series data items [time-sequentially], comprising:

[an accumulating] a storage means for [accumulating] storing data [items] accumulated in one-to-one correspondence to [dates] times; and

a [retrieving] displaying means for [retrieving] displaying data items of a desired [date] time and data items of a [date] time contiguous to said desired [date responsively to designation of said desired date; and

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a display means for displaying said retrieved data
distinguishably in] time so that a temporal direction
[starting with] said desired [date] time and said contiguous
time is distinguishable.

21,
23. (Amended) An information processing system
according to claim 22, wherein said [display] displaying
means displays a display screen for said data items
associated with a [date] time contiguous to said desired
[date] time with a smaller size than a display screen for
said data items of said desired [date] time according to an
elapsed time.

22.
24. (Amended) An information processing system
according to claim 23, wherein said [display] displaying
means displays said data items of said desired [date] time at
an outermost position in a display screen, and displays said
data items of a [date] time contiguous to said desired [date]
time inside said data items of said desired date with a
display area therefore made smaller according to an elapsed
time.

26.
25. (Amended) An information processing system
according to claim 22, wherein said [display] displaying
means includes a display limiting means for limiting a
display of each [date] time to a given number of [date] data

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items, and a display dividing means that when the number of
data items exceeds said given number, classifies said data
items in units of a finer [date] time and displays said data
items mutually distinguishably.

27.
26. (Amended)   An information processing system
according to claim 26, wherein said [accumulating] storage
means includes a subdividing and accumulating means for
subdividing a data accumulation unit into units of a finer
[date for fear] time in the event that the number of data
items should exceed said given number, and then accumulating
data items.

24.
28. (Amended)   An information processing system
according to claim 23, wherein when zoom-in is designated,
said zoom control means moves said data of said desired
[date] time out of a display screen, retrieves new data items
associated with a [date] time contiguous to a [date] time of
data displayed at an innermost position, and displays said
new data items at said innermost position, and wherein when
zoom-out is designated, said zoom control means moves said
data items displayed at said innermost position out of a
display screen, retrieves new data associated with a [date]
time contiguous to a [date] time of data items displayed at
an outermost position, and displays said new data items at
said outermost position.

28.
30. (Amended) An information processing system according to claim 26, wherein said [display] <u>displaying</u> means includes a means for displaying graphics such as rings or squares representing [dates] <u>times</u> associated with displays concentrically in units of a given [date] <u>time</u>, and a means for displaying data items orderly in said graphics, and wherein said graphics such as rings or squares representing [dates] <u>times</u> associated with displays are nested and displayed together with representations of data items.

29.
31. (Amended) An information processing system according to claim 28, wherein said [display] <u>displaying</u> means displays said graphics such as rings or squares representing [dates] <u>times</u> associated with displays in different colors associated with said [dates] <u>times</u>.

30.
32. (Amended) An information processing system according to claim 28, wherein said [display] <u>displaying</u> means positions data items in said graphics at random.

31.
33. (Amended) An information processing system according to claim 32, wherein said [accumulating] <u>storage</u> means determines said random positions at the time of data registration.

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32.
34. (Amended) An information processing system

according to claim 22, wherein said [accumulated] <u>stored</u>

time-series data items include data items [accumulated]

<u>stored</u> in one-to-one correspondence to [dates] <u>times</u> of

creation of data files, data items [accumulated] <u>stored</u> in

one-to-one correspondence to [dates] <u>times</u> of correction of

files, and data items [accumulated] <u>stored</u> in one-to-one

correspondence to designated [dates] <u>times</u> registered by a

user.

Sub B2> 35. (Amended) An information processing system

for displaying accumulated time-series data items [time-

sequentially], comprising:

[an accumulating] <u>a storage</u> means for

[accumulating] <u>storing</u> data [items] <u>accumulated</u> in one-to-one

correspondence to [dates] <u>times</u> of a schedule table;

a first display means for displaying said

schedule table; and

a second display means for displaying data

items associated with a desired [date] <u>time of said schedule</u>

<u>table</u> responsively to designation of said desired [date of]

<u>time on</u> of said schedule table.

Sub B3> 110. (Amended) A computer program product

comprising a computer usable medium having computer readable

program code means for displaying data items managed with

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given linkages thereamong, said computer program product including:

computer readable program code means for displaying data items included within a similar level of linkage position simultaneously in a substantially same size; and

computer readable program code means for displaying first data items, and second data items linked to said first data [are displayed] items, which are not included within the similar level of linkage position, mutually distinguishably [by determining] in different sizes [thereof] determined according to a distance of a linkage between the first and second data.

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111. (Amended) A computer program product
35
according to claim 110, [wherein] the computer usable medium further having data linked to be used by said computer readable program code means.

112. (Amended) A computer program product comprising a computer usable medium having computer readable program code means for displaying accumulated time-series data items [time-sequentially], said computer program product including:

computer readable program code means for [retrieving] displaying first data items associated with a

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desired [date] <u>time</u> and second data <u>items</u> associated a [date] <u>time</u> contiguous to said desired [date; and computer readable program code means for displaying said first data, and said second data distinguishably from said first data in] <u>time so that</u> a temporal direction [starting with] <u>between</u> said desired [date] <u>time and said contiguous time is distinguishable</u>.

<u>38</u>
~~113~~. (Amended) A computer program product according to claim ~~112~~ <u>37</u>, further including computer readable program code means for zooming in said first and second data <u>items</u> by shifting data in a direction of said second data <u>items</u> to said first data <u>items</u> and making <u>a</u> display area larger, and for zooming out said first and second data <u>items</u> by shifting data in a direction of said first data <u>items</u> to said second data <u>items</u> and making the display area smaller.

Sub B4 ~~115~~. (Amended) A computer program product comprising a computer usable medium having computer readable program code means for displaying accumulated time-series data items [time-sequentially], said computer program product including:

computer readable program code means for [accumulating] <u>preparing</u> data times <u>items</u> accumulated in one-to-one correspondence to [dates] <u>times</u> of a schedule table; and

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computer readable program code means for displaying said schedule table[,]; and

computer readable program code means for displaying data items associated with a desired [date] time of said schedule table responsively to designation of said desired [date] time on said schedule table.

116. (Amended) A computer program product according to claim 115, [wherein] said computer usable medium further having said schedule table.

Please add Claims 125-128 as follows:

--125. An information processing apparatus for displaying data items managed with given linkages thereamong, comprising:

a first displaying means for displaying data items included within a similar level of linkage position simultaneously in a substantially same size; and

a second displaying means for displaying first data items, and second data items linked to said first data items, which are not included within the similar level of linkage position, mutually distinguishable in different sizes determined according to a distance of a linkage between the first and second data items.

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